

FIG. 1

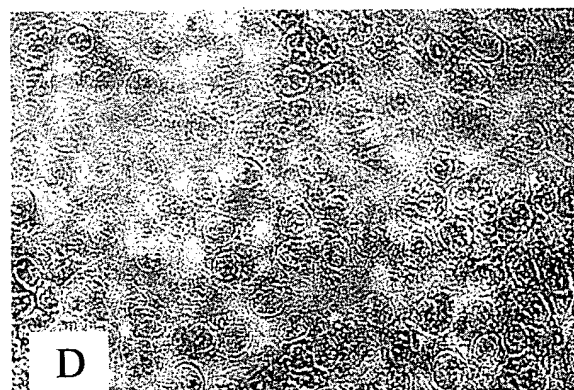
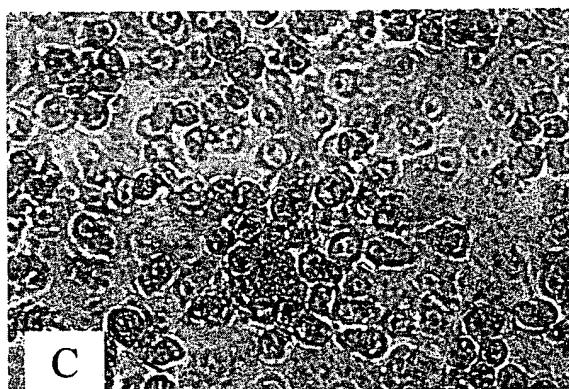
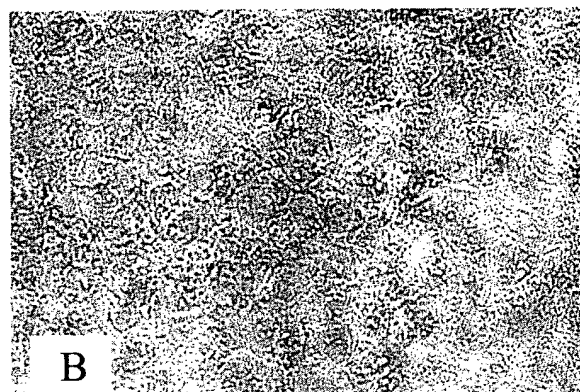
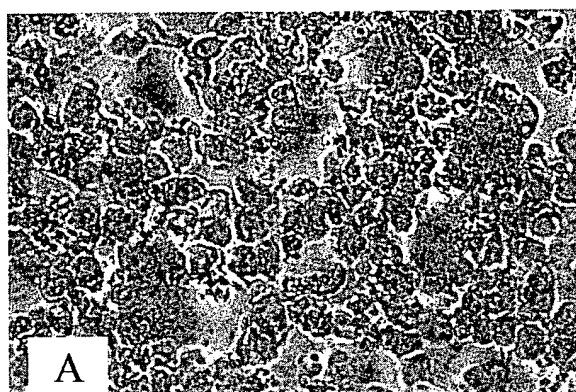


FIG. 2

1 ccgagcgtgc ccgcggcgct gcccctcctc ggggagctgc cccggctgct gctgctggtg
 61 ctgttggtgcc tgccggccgt gtgggggtgac tgtggccttc cccagatgt acctaagcc
 121 cagccagctt tggaaggccg tacaagtttt cccgaggata ctgtaataac gtacaaatgt
 181 gaagaaagct ttgtgaaaat tcttggcgag aaggactcag tgacctgcct taagggcag
 241 caatgggtcag atattgaaga gttctgcaat cgtagctgcg aggtgccaac aaggctaaat
 301 tctgcatccc tcaaacagcc ttatatcact cagaattatt ttccagtcggt tactgttggtg
 361 gaatatgagt gccgtccagg ttacagaaga gaaccttctc tatcacaaa actaacttgc
 421 cttcagaatt taaaatggtc cacagcagtc gaattttgta aaaagaaatc atgcccta
 481 ccgggagaaa tacgaaatgg tcagattgat gtaccagggtg gcatattatt tgggtgaacc
 541 atctccttct catgtaacac aggttacaac ttatttggct cgacttctag tttttgtctt
 601 atttcaggca gctctgtcca gtggagtgac ccgttgccag agtgcagaga aatttattgt
 661 ccagcaccac cacaaattga caatggaata attcaagggg aacgtgacca ttatggatat
 721 agacagtctg taacgtatgc atgtaataaa ggattcacca tgattggaga gcactctatt
 781 tattgtactg tgaataatga tgaaggagag tggagtggtc caccacctga atgcagagga
 841 aaatctctaa cttccaaggt cccaccaaca gttcagaaac ctaccacagt aaatgttcca
 901 actacagaag tctcaccaac ttctcagaaa accaccacaa aaaccaccac accaaatgct
 961 caagcaacac ggagtacacc tgtttccagg acaaccaagc attttcatga aacaacccca
 1021 aataaaggaa gtggaaccac ttcagggtact acccgtcttc tatctgggca cacgtgtttc
 1081 acgttgacag gtttgcttgg gacgctagta accatgggct tgctgactta gccaaagaag
 1141 agttaagaag aaaatacaca caagtataca gactgttcct agtttcttag acttatctgc
 1201 atattggata aaataaatgc aattgtgctc ttcatttagg atgctttcat tgtctttaag
 1261 atgtgttagg aatgtcaaca gagcaaggag aaaaaaggca gtcctggaat cacattctta
 1321 gcacacctgc gcctcttgaa aatagaacaa cttgcagaat tgagagtgat tcctttccta
 1381 aaagtgtgaa aaagcataga gatttgttcg tattaagaat gggatcacga ggaaaagaga
 1441 aggaaagtga tttttttcca caagatctga aatgatattt ccacttataa aggaaataaa
 1501 aaatgaaaaa cattatttgg atatcaaaag caaataaaaa cccaattcag tctcttctaa
 1561 gcaaaaattgc taaagagaga tgaccacatt ataaagtaat ctttggctaa ggcattttca
 1621 tctttccttc gggttgcaaa atatttttaa ggtaaaacat gctgggtgaac caggggtgtg
 1681 atgggtgataa gggaggaata tagaatgaaa gactgaatct tcctttgttg cacaaataga
 1741 gtttggtgaaa agcctgtgaa aggtgtcttc tttgacttaa tgtcttttaa agtatccaga
 1801 gatactacaa tattaacata agaaaagatt atatattatt tctgaatcga gatgtccata
 1861 gtcaaatttg taaatcttat tcttttgtaa tatttattta tatttattta tgacagtga
 1921 cattctgatt ttacatgtaa aacaagaaaa gttgaagaag atatgtgaag aaaaatgtat
 1981 ttttctctaa tagaaataaa tgatcccatt ttttgggt

FIG. 3A

PSVPAALPLLGELPRLLLLVLLCLPAVWGDCGLPPDVPNAQPAL
EGRTSFPEDTVITYKCEESFVKIPGEKDSVTCLKGMQWSDIEEFCNRSCEVPTRLNSA
SLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPN
PGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREI
YCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPP
ECRGKSLTSKVPPTVQKPTTVNVPTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKH
FHETTPNKSGTTS GTTRLLSGHTCFTLTGLLGTLVTMGLLT

FIG. 3B

A

1 ccgctgggcg tagctgcgac tccggcggagt cccggcggcg cgtccttggt ctaacccggc
 61 gcgccatgac cgtcgcgcgg ccgagcgtgc ccgcggcgct gcccctcctc ggggagctgc
 121 cccggctgct gctgctggtg ctggttggtc tgccggccgt gtggggtgac tgtggccttc
 181 cccagatgt acctaatgcc cagccagctt tggaaggccg tacaagtttt cccgaggata
 241 ctgtaataac gtacaaatgt gaagaaagct ttgtgaaaat tcctggcgag aaggactcag
 301 tgatctgcct taagggcagt caatggtcag atattgaaga gttctgcaat cgtagctgcg
 361 aggtgccaac aaggctaaat tctgcatccc tcaaacagcc ttatatcact cagaattatt
 421 ttccagtcgg tactgttggt gaatatgagt gccgtccagg ttacagaaga gaaccttctc
 481 tatcaccaaa actaacttgc cttcagaatt taaaatggtc cacagcagtc gaattttgta
 541 aaaagaaatc atgcccta atccgggagaaa tacgaaatgg tcagattgat gtaccagggtg
 601 gcatattatt tgggtgcaacc atctccttct catgtaacac agggtagaaa ttatttggct
 661 cgacttctag tttttgtctt atttcaggca gctctgtcca gtggagtgc cgttgccag
 721 agtgagaga aatttattgt ccagcaccac cacaattga caatggaata attcaagggg
 781 aacgtgacca ttatggatat agacagtctg taacgtatgc atgtaataaa ggattcacca
 841 tgattggaga gcactctatt tattgtactg tgaataatga tgaaggagag tggagtggcc
 901 caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac
 961 ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa
 1021 aaaccaccac accaaatgct caagcaacac ggagtacacc tgtttccagg acaaccaage
 1081 attttcatga aacaacccca aataaaggaa gtggaaccac ttcaggtact acccgtcttc
 1141 tatctgggtc tegtctgtc acccaggctg gtatgcggtg gtgtgatcgt agctactgc
 1201 agtctcgaac tcctgggttc aagcgatcct tccacttcag cctcccaagt agctgggtact
 1261 acagggcaca cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttg
 1321 ctgacttagc caaagaagag ttaagaagaa aatacacaca agtatacaga ctgttcttag
 1381 tttcttagac ttatctgcat attggataaa ataaatgcaa ttgtgctctt catttaggat
 1441 gctttcattg tctttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt
 1501 cctggaatca cattcttagc acacctacac ctcttgaaaa tagaacaact tgcagaattg
 1561 agagtgatcc ctttctctaa agtgtaagaa agcatagaga tttgttcgta tttagaatgg
 1621 gatcacgagg aaaagagaag gaaagtgatt tttttccaca agatctgtaa tgttatttcc
 1681 acttataaag gaaataaaaa atgaaaaaca ttatttggat atcaaaagca aataaaaaacc
 1741 caattcagtc tcttctaagc aaaattgcta aagagagatg aaccacatta taaagtaatc
 1801 tttggctgta aggcattttc atctttcctt cgggttggca aaatatttta aaggtaaaac
 1861 atgctggtga accaggggtg ttgatggtga taagggagga atatagaatg aaagactgaa
 1921 tcttcttttg ttgcacaaat agagtttggg aaaagcctgt gaaagggtgtc ttctttgact
 1981 taatgtcttt aaaagtatcc agagatacta caatattaac ataagaaaag attatatatt
 2041 atttctgaat cgagatgtcc atagtcaaat ttgtaaatct tattcttttg taatatttat
 2101 ttatatttat ttatgacagt gaacattctg attttacatg taaaacaaga aaagttgaag
 2161 aagatatgtg aagaaaaatg tatttttctt aaatagaaat aaatgatccc attttttgg

B

M TVARPSVPAALPLL GELPRL LLLVLLCLPAVWGDCGLPPDV PN
 A QPALEGR TSFPE DTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEVPT
 R LNSASLKQPYITQNYFPVGT VVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKK
 K SCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLF GSTSSFCLISGSSVQWSDPLP
 E CREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEW
 S GPPPECRGKSLTSKVPPTVQKPPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVS
 R TTKHFHETTPNKGSGTTS GTTRLLSGHTCFTLTGLLGTLVTMGLLT

FIG. 4